

# MIT, BU will offer legal advice for free to student founders

*BU Law students will staff clinics  
to help with finances, contracts, IP*

By Katherine Nazemi  
NEWS EDITOR

MIT student entrepreneurs will soon be able to get independent legal advice from two law clinics opening on campus.

The clinics are the result of collaboration with Boston University, President L. Rafael Reif announced Wednesday.

After the MIT student creators of Tidbit, a bitcoin-mining hackathon project, were subpoenaed by New Jersey's attorney general in 2014, Reif charged the provost, chancellor, and general counsel with establishing a resource for student entrepreneurs to access legal advice. The new collaboration with BU is a response to this charge.

This month, the Entrepreneurship and Intellectual Property Clinic will open its doors to both MIT and BU students. Eight BU law students will staff the clinic, which will be directed by law professor Eve J. Brown.

"There's opportunity for students to drop in and say 'I don't know if I need help or not, but this is what I'm doing, what do you

think?'" Chancellor Cynthia Barnhart PhD '88 said in an interview with *The Tech*.

The clinic will help students navigate issues related to setting up and financing new startups, drafting and negotiating contracts, understanding intellectual property rights, and registering trademarks and copyrights, according to a BU press release. In addition, BU law students will provide representation in angel, venture, and commercial financing deals.

"Lots of times, people start small businesses, taking an invention to market without talking to a lawyer, and can get in trouble just by not knowing what to do," Peggy Maisel, Associate Dean for Experiential Education at BU, said. "We really want to encourage the students to come with any kind of questions and sort out from that whether they need any sort of legal representation, and what needs to be done."

To that end, the clinic will hold open office hours every Friday from 10 a.m. to 5 p.m. at the Martin Trust Center for MIT Entrepreneurship in

Law Clinics, Page 17



ROBERT RUSCH—THE TECH

On Friday, Sept. 4, several well-known hacks were revived on and around the Great Dome, apparently catapulted from Killian Court.

# DSL grant bails out UA, allows student group spending to rise

*UA to seek external funding to cover internal spending*

By Emma Bingham

The Division of Student Life has granted \$70,000 to the Undergraduate Association in response to the UA's recent budget crisis. With these funds, and the implementation of new policies, the UA is on its way to recovering from last year's budgeting errors that left the organization more than \$50,000 in debt.

A new policy has been introduced for internal spending, requiring that UA committees and officers match UA money with outside fundraising. President Matthew J. Davis '16 said the officers were receptive to the idea, and he added that any money that could be raised from outside sources to cover UA spending would allow more student fees to be spent on other student activities.

Additionally, each committee must submit a detailed proposal to be approved by Davis and Treasurer Alekhya K. Reddy '16 before making any expenses.

The UA now has enough money to allow groups to spend as much as they did last year. "My hope is by the end of the semester we have raised enough money to fund all student activities," Davis said.



DANIEL MIRNY—THE TECH

Student groups gathered on Friday to share information about their clubs at the Activities Midway.

## IN SHORT

**Student Support Services (S^3)** is changing its walk-in hours this year: the new hours are 10–11 a.m. and 2–3 p.m., Monday through Friday.

**MIT Student Extended Insurance waivers** are due Sept. 15. This is also the last day to sign up for a family health insurance plan.

**Quarter 1 PE classes** begin Monday, Sept. 14. Registration for all students must be submitted by Friday, Sept. 11.

**The Student Loan Art Program's exhibition viewing** and lottery for closes 6 p.m. on Sunday, Sept. 13. Lottery results will be available on Monday.

**Go Global Fair** will be held Tuesday, Sept. 15, 4-6 p.m. on Kresge Oval.

Send news and tips to [news@tech.mit.edu](mailto:news@tech.mit.edu).

# MIT professors and US Rep. Kennedy talk STEM education

MIT faculty and U.S. Rep. Joe Kennedy III met at the Media Lab on Sept. 3 for an event that highlighted technology's potential to improve the quality of and access to STEM education. Called "Scaling STEM," the event featured opening remarks by MIT President L. Rafael Reif, followed by presentations from Kennedy, Dean of Digital Learning Sanjay E.

Sarma, and four professors from MIT.

Kennedy said that "MIT is leading the way" in reaching underserved parts of the population when it comes to STEM.

In a panel discussion, Mitchel Resnick, who leads the Lifelong Kindergarten lab, discussed one of his lab's projects, Scratch, which K-12 students have used to learn

programming for the past eight years.

Angela Belcher, a materials science and biological engineering professor, discussed her efforts to teach STEM to students at a young age. She shared her belief that elementary students should be taught about chemical reactions, solar cells, and other topics that are usually left to high school or

college.

Eric Klopfer, an MIT professor and director of the Education Arcade, offered a compelling way for younger students to become engaged in STEM material through video games. One of his lab's projects is Radix, which combines the excitement of a massive multiplayer online game with the educational value of science exercises.

The Scaling STEM event comes at a time when MIT is reconsidering the education that it offers to its own students, as well as beyond, given the development of digital tools and online courses. In August 2014, an Institute-wide task force on the topic proposed a more modular and flexible future for education at MIT.

—Drew Bent

## NOT ON A MEAL PLAN?

Where to buy groceries while at MIT.  
**CAMPUS LIFE, p. 12**

## MIT, BABYSITTING SERVICE?

The plan for a FSILG village would hurt MIT's Greek system. **OPINION, p. 4**

## ARTS ON THE RADAR

An alumna tries to raise the profile of arts on campus. **ARTS, p. 8**



## CAN I HAVE THE DEFINITION PLEASE?

MTG's *Spelling Bee* is a heartfelt and relatable musical. **ARTS, p. 9**

## FREE FOOD, NO COMMITMENT

How to rush as a girl.  
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**Effectiveness of student wiki tested in GIRs**

Crosslinks, a student resource “authored by MIT student for MIT students,” is running an experiment within GIR classes to find out how students interact with online material to achieve learning goals.

The experiment aims to determine how students think about concepts when applying them and how to better improve Crosslinks to help students learn. According to the Committee on the Use of Humans as Experimental Subjects (COUHES), Crosslinks is the first and only group to conduct this kind of cross-cutting experiment across the Institute.

Crosslinks “sets the stage for how we think about modularity,” Crosslinks researcher Luwen Huang ’11 said. “No one has ever looked at fine-grained topics across all of MIT, much less try to connect them, or put interactive exercises for each one showing what students are expected to do.”

Crosslinks is a student-made wiki of various topics that undergraduates learn at MIT. It currently covers seven courses and over 300 topics such as eigenvectors, Fourier series, and RNA splicing. Crosslinks is set up such that students can easily navigate between topics on the site and to various useful external links. In addition to providing materials and interactive exercises for each lesson, Crosslinks also links students to prerequisites necessary for the subject, closely related topics, succeeding lessons that come after the topic, and various real-life applications of the topic.

Crosslinks was started by aeronautics and astronautics professor Karen E. Wilcox and mathematics professor Haynes R. Miller in response to the observation that students frequently forgot prerequisite topics and did not make connections between the topics they were learning. It started as a UROP several years ago, and the Crosslinks site launched last spring.

—Adrian Sy

**Know something important we should write about?**

*(We probably don’t know about it.)*

**Let us know.**

*news@tech.mit.edu*



A student browses the selection of artwork available through the Student Loan Art Program at the List Visual Arts Center.

JISOO MIN

Massachusetts Institute of Technology 1861

2015-2016

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HAND

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BOOK

An illustration of two figures. On the left, a craftsman in a workshop apron stands next to a large anvil. On the right, a scholar in a long coat and hat stands next to a large book. Between them are two ornate oil lamps. The entire graphic is decorated with stars and circles.

The *Mind and Hand Book* is the official guide to MIT’s expectations of all undergraduate and graduate students, including the policies on academic integrity, alcohol, drugs, hazing, hacking, and sexual misconduct.



# Sass-doku

Solution, page 13

9			5	3		6		
				6	9	5		
	5	4		7	1			
			3		4		8	
2				1				3
	4		6		5			
			9	5		1	3	
		3	7	8				
		7		4	3			2

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

# Silly Sudoku

Solution, page 13

	4	7	6	5			9	
5				3				4
3			2				5	
		8	3	1				
		5		4		8		
				6	2	9		
	5				6			1
6				8				9
	7			9	3	5	8	

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

# Tenacious Techdoku

Solution, page 13

72x			6x		30x
120x	14+			2	
			10+		
	6x	18+			
2		30x			4
1		4		2-	

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.

# Terrible Techdoku

Solution, page 13

13+			10x		3÷
	1-		12x		
20x			6		5x
12x		22+		30x	
1					4
6x			2		3

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.

# Saturday Stumper

by Frank Longo

Solution, page 13

### ACROSS

- 1 Ice debut of 1962
- 11 British pen name
- 15 Columbus’ *La Capitana*
- 16 Erstwhile Iroquoian language
- 17 Benedict Arnold partner of 1775
- 18 Baklava ingredient
- 19 It usually doesn’t make headlines
- 20 Country Comparisons compiler
- 21 Big metal spectacle
- 23 Green-borscht ingredient
- 25 Aromatic herbal remedy
- 26 Peace Prize recipient the year before Óscar
- 27 Pacific Rim name tag
- 29 Harmless twits
- 30 Charge
- 32 “The city that touches the clouds”
- 34 Extend one’s fingers, maybe
- 35Wire-report topic
- 38 Sewing accessory
- 41 Parts of plots

- 42 What may precede your request
- 46 Shade
- 48 *Un sufijo diminutivo*
- 50 Word on the British House list
- 51 What South Carolinians call Sharpsburg
- 53 First head of the NFL
- 55 Pulpit proclamation
- 56 Tourist state of India
- 57 With 60 Down, legend in one’s own mind
- 58 Presidium creation of 1925
- 59 Cabinetwork motif
- 62 Match stick?
- 63 Common stock holder
- 64 Doing
- 65 Subject of the 2009 biography *Last Lion*

### DOWN

- 1 Kalahari menaces
- 2 Mean digs
- 3 Not work for, perhaps
- 4 Family Reading Experience promoter
- 5 Battle of Hastings weapon

- 6 Cell group
- 7 \_\_\_ land
- 8 Hit from Bing
- 9 Secure, as a line
- 10 It’s north of Dar es Salaam
- 11 *American Masters* subject of 2012
- 12 Diva’s rendition
- 13 Certain fat source
- 14 Recital piece
- 22 Top-billed name in *Queen of Outer Space* (1958)
- 24 Backstop position
- 25 Ducks’ habitat
- 28 Morgan role in two whodunits
- 31 Advances after a touchdown
- 33 Get on YouTube, e.g.
- 36 Most likely to inject venom
- 37 One of Hockey Canada’s sponsors
- 38 Was in store for
- 39 Wigged out
- 40 Words from a reflector

1	2	3	4	5	6	7	8	9	10		11	12	13	14
15											16			
17											18			
19				20				21		22				
23			24				25							
26					27	28			29					
30				31		32		33				34		
			35		36						37			
38	39	40		41					42		43	44	45	
46			47				48	49		50				
51						52			53	54				
55							56					57		
58					59		60				61			
62					63									
64					65									

- 43 Join
- 44 Ran out
- 45 Mission milestone
- 47 Lacking detachment
- 49 “Yesterday”
- 52 Vantage point
- 54 Modeled
- 56 Goggle
- 60 See 57 Across
- 61 Model

Solution, page 15

5-	6÷	21x	12x		288x		40x	
				20x		27+		
26+			5x		21x			2
	15x	2		63x		224x		
		26+			5x	60x		
1-			1-				54x	
1-			12x		84x			
24x		7-	27+					4
5			72x		42x			6

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–9. Follow the mathematical operations for each box.

## Solution, page 14

## ACROSS

- 1 Nebraska city
- 6 Plant stalk
- 10 Taj Mahal site
- 14 Twangy, as a voice
- 15 Volcanic flow
- 16 Walk wearily
- 17 Texting alternative
- 18 Former partners
- 19 Wise person
- 20 Stevie Wonder song
- 23 Serbs and Poles
- 24 Beginning
- 25 Nova network
- 28 Rhyming tribute
- 29 L.A. summer hours
- 30 Person from Des Moines
- 32 \_\_\_-mo replay
- 33 Reunion attendee
- 37 Bing Crosby song
- 41 \_\_\_ mater
- 42 Race car's stop
- 43 Disgrace
- 44 Annoy
- 45 Distress signal

- 47 Witch's spell  
48 Winter Olympics city in  
1998  
52 Carpenter's fastener  
54 Frank Sinatra song  
58 Former Italian coins  
59 Limerick's land  
60 Uninterested  
62 British prep school  
63 Close angrily  
64 Distrustful  
65 Flagmaker Betsy  
66 Use a keyboard  
67 Wear down

**DOWN**

- 1 Small bill
- 2 Crib cry
- 3 "Now!"
- 4 Signals, as a cab
- 5 The whole time
- 6 Jacket part
- 7 Line at an airport
- 8 Neck-and-neck
- 9 Extinct elephant cousin

- 10 Useful quality  
11 Lens material  
12 Scoundrel  
13 Actor's negotiator  
21 Scoundrel  
22 Humble home  
25 Leaning Tower locale  
26 Sugar container  
27 Do the backstroke  
29 West Bank org.  
31 Santa \_\_, CA  
32 Police rank: Abbr.  
33 Wood for bats  
34 Wyoming neighbor  
35 Identify  
36 Fearsome dino  
38 Complainer's comment  
39 Suffix for neat or beat  
40 Bring together  
44 Suffix for serpent  
45 Devious plot  
46 Raw metal  
48 Gridiron pro, for short  
49 Justice Samuel  
50 Lamb sandwiches

1	2	3	4	5		6	7	8	9		10	11	12	13
14						15					16			
17						18					19			
	20					21					22			
				23						24				
25	26	27		28				29						
30				31				32				33	34	35
36														
37						38	39				40			
41						42					43			
					44				45	46		47		
48	49	50	51				52				53			
54							55					56	57	
58						59					60			61
62						63					64			
65						66					67			

- |                          |                   |
|--------------------------|-------------------|
| 51 Prayer enders         |                   |
| 52 Backpack part         | 56 Nabisco cookie |
| 53 Beau                  | 57 Geek           |
| 55 Overly smooth-talking | 61 Food coloring  |

# GRANTS FOR ART PROJECTS

All current MIT students, staff and faculty are invited to apply for funding to support art related projects.

[arts.mit.edu/grants](http://arts.mit.edu/grants)



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ARTSARTSARTSARTSARTS

CAMPUS ARTS

# Arts on the Radar

An evening of art activities, exhibitions, and DJs

By Katherine Nazemi  
*TECH STAFF*

Arts on the Radar, a “block party for the arts” hosted by the List Visual Arts Center in collaboration with MIT’s Program in Art, Culture and Technology (ACT) and Arts at MIT, took place on Sept. 4.

Amanda Moore ‘11, a graduate of the ACT program at MIT, and current administrative assistant for Communications and Public Programming, was one of the event’s organizers. “I was sitting around with one of our grad students and a masters student, and we were saying we’d really love to have a dance party,” she said. She approached members of Arts at MIT and the List Center to see if they would like to collaborate.

“It happened organically,” Moore said, “There needs to be more collaboration among the arts organizations at MIT.”

In addition to a social gathering for arts students at MIT, the event was also an opportunity to raise the profile of arts on campus. “We have a long tradition of innova-

tion in the arts,” Moore said. “We want an opportunity to show that the arts are also experimental.”

I really enjoy visual arts. One of my favorite places in Boston is the Museum of Fine Arts, and I’ve always been curious about art at MIT, so I was excited to have the opportunity to attend an art-related event on campus.

The evening began with an outdoor picnic on the steps behind the List Center. The event took place before undergraduates moved back to campus, so I wasn’t surprised to see that the crowd consisted primarily of graduate students.

Inside the List Center, approximately 600 works of art were on display for the annual Student Loan Art Program exhibition. I had never participated in the program — which allows students to enter a lottery to take home works of art for a year, at no cost — but many MIT students do. Last year, over 1,000 students entered the lottery, and of the 611 pieces on display, 595 were taken by students to decorate rooms around campus.

Courtney Klemens, List Community Outreach Coordinator, led me through the gallery. The collection comprised prints and photograph, modern and contemporary, of all styles and all sizes. Klemens pointed out some of the perennially popular pieces: a Picasso print, photographs by Doc Edgerton, and a piece by Warhol (not on display this year) were in high demand.

Inspired, I decided to enter the lottery for the first time. I had a lot of fun walking through the gallery with a pencil and paper, trying to decide which of the pieces of artwork I might want to take back to my Simmons dorm room. Eventually, I narrowed the list down to the five choices I was allotted, ranked them, and entered them into the computers at the entrance to the exhibit.

After leaving the gallery, I was given the opportunity to try my hand at making some art of my own: at tables in the lobby, guests were decorating masks inspired by art from the exhibit. I joined in, painstakingly gluing collage paper and glitter onto the curved surfaces. It felt like a fun throwback to third

Arts on the Radar

Hosted by List Visual Arts Center, ACT, and Arts at MIT

List Visual Arts Center

September 4, 2015

grade, and made me wish there were more events like it throughout the year.

At 9 p.m., a dance party kicked off on the lower level, featuring student and professor DJs. I stayed just long enough to catch a glimpse of a huge disco ball before heading back to my dorm to plan out the best place to hang a piece of art.

The lottery runs until Sept. 13, and I highly recommend going to the gallery to see if anything catches your eye. With all the different styles and colors, there’s a piece there for anyone.

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## THEATER REVIEW

# Can I have the definition please?

The Musical Theatre Guild performs a heartfelt and relatable musical



KARLEIGH MOORE—THE TECH

**MTG performs *The 25th Annual Putnam County Spelling Bee*.**

**By Karleigh Moore**

ARTS EDITOR

I completely understood what director Hubert Hwang '07 meant when he said that MIT students would probably really identify with at least one of the eight main characters in *The 25th Annual Putnam County Spelling Bee*. The middle schoolers aren't perfect, and while they have some impressive achievements under their belts, they have flaws, insecurities, and personal matters to deal with. We realize it isn't fair to idolize them: admire them, sure, but don't place god-like expectations upon them.

Each of the characters is nervous about their ability to succeed in the bee — they are used to being the best speller in their school or town, but once they've made it to the county spelling bee, they clearly experience the shock of suddenly becoming average. Sound familiar?

Some of the kids are socially awkward, and we can see the characters begin to realize that you don't have to one-up your friends (and that you can't really make friends by doing so). Some are misunderstood and misrepresented; parents and school officials talk up a student's achievements and make the kid seem like they are "all business." They have unorthodox methods of determining the spell-

# ***The 25th Annual Putnam County Spelling Bee***

**Performed by Musical Theatre Guild**

**Directed by Hubert Hwang**

## Kresge Little Theater

**Runs September 10-12 and 17-19 at 8pm**

ing of a word and working through problems, and others seem clueless until they have a seemingly magical stroke of inspiration right at crunch time when spelling a word to the judges. A few of the kids have issues with their parents: some parents are overbearing and have high (and perhaps unreasonable) expectations for their children, while other parents aren't around to support their children, no matter their kid's achievements.

Dustin Doss's '17 performance as Leaf Coneybear was hilarious, and Lindsey Wang '16 did a good job delivering Olive Ostrovsky's heartbreaking lines. The dynamic between Vice Principal Panch, played by Kirsten Olson '14, and Rona Lisa Peretti, played by Sara Volz '17, (the judge and the host for the spelling bee respectively) was one of the best parts of the show — they did a good job of playing off one another when addressing the contestants, to much comic effect. I loved the audience involvement, and there was nothing better than watching their faces when they were asked to spell some ridiculous made-up, simple (we're talking three letters long), or hilariously slang-like word.

I always pay a lot of attention to lighting at concerts and theater performances, and I really liked the use of lighting in this musical. Lighting effects were used to indicate flashbacks, to augment fantastical song and dance sequences, and to indicate when Leaf Coneybear was having his divine/extraterrestrial/trance-induced strokes of spelling genius.

The show is definitely worth seeing, and it is sure to make you laugh at least a few dozen times. It's no doubt a comedy, but there's more to the story than middle-school humor. *The 25th Annual Putnam County Spelling Bee* includes themes of friendship, family, and dealing with the prospect of failure. It's a heartfelt story, and I do believe that students will sympathize with the characters.

## ALBUM REVIEW

# Growing pains

FIDLAR's sophomore album is relatable, but most songs are dull

**By Karleigh Moore**

ARTS EDITOR

I go through music phases in bursts, and I make monthly playlists that reveal my brief obsessions. This past July, I went through a particularly angsty music stage — I was full of political discontent (I had just reviewed the anti-capitalist band Desaparecidos, so they were on this playlist too), I was working two jobs, and life was just, in general, monotonous. Needless to say, I identified with a lot of punk rock sentiments: desire to fight the man, weariness of the nine-to-five, eagerness to party (though my packed schedule and never-ending to-do list didn't allow for it, so I had to live vicariously), and the simple need to do something just for fun.

FIDLAR's lyrics aren't very insightful; in fact they are of ten crude with a touch of cliché ("I drink cheap beer so what, fuck you"). I didn't like all of their songs, but the ones I loved, I loved for their ranty nature, their catchiness, and their rowdiness. I must have listened to "Max Can't Surf," "Cheap

Beer,” and “Gimmie Something” over 100 times that month. These tracks were my favorites off of the FIDLAR’s debut album of the same name, which was released in January 2013. The band released *Too* last week, and I was eager to comb through it with hopes of discovering a few new favorite tracks.

If you do a thematic comparison between their first and second album, it's obvious from the lyrics that the band has matured on a personal level. They've gone from emphasizing binge drinking and drug use to writing tracks about growing up and getting clean, even though they claim that "life just sucks when you get sober" in a song aptly and succinctly named "Sober." That's not to say the band has gone completely straight edge, though ("I don't care at all/ I'll drink some alcohol"); they still have rebellious tracks (perhaps lacking in imagination as far as song titles go) such as "Leave Me Alone" and "Punks." In some songs, the lyrics are critical of society and full of millennial anxiety: "How the hell are you supposed to know/ how to live in the 21st century/ when every move you make/ everyone can see?"

As with the first album, not all of the songs were good or



ALICE BAXLEY

**Zac Carper, Brandon Schwartzel, Elvis Kuehn, and Max Kuehn** are FIDLAR.

★★★★★

**Too**

**FIDLAR**

## Mom + Pop Music

September 4, 2015

memorable, but there were a couple that will make their way onto my September playlist. I liked the catchy lyrics and vocal distortion in "Bad Habits" and the vocal variation and social commentary of "Why Generation." But most of the other songs had sloppy and uninspired lyrics that weren't interesting enough to make up for their pitfalls. The tracks fit the theme of the album but ultimately missed the mark.

The band experimented with new musical elements, only some of which were successful. For example, I liked the twangy guitar on “Bad Habits,” and the electronic sounds in “Overdose” reminded me of a carnival, which I thought was an interesting departure from beachy drumrolls and punky guitar solos. However, some of the songs included awkward and boring spoken-word type beginnings and endings, which I found off-putting and out of place. FIDLAR reminds me of Sum 41 and Blink 182 with their punk-anthem songs that have the types of guitar riffs and choruses that get stuck in your head. But FIDLAR definitely has its own sound — some songs are mellow with a beach music feel, while others have shredding guitar, heavy drums, and are filled with whiny screaming.

I got just what I wanted and expected from the album — a few songs that I'll probably listen to regularly for a while, and that's sort of the only way I'll enjoy this album: in fragments. If you listen straight through, you know exactly what the band was trying to get at with this LP as they club you over the head with it. They've grown up, they still like to party, but they've toned it down: being young and broke and confused sucks. It attempts to form a narrative, but if you stick to the story in order and in full, the album is dull and borderline trite. Sure, the songs seemed to have more lyrical depth, but those weren't the types of songs I grew to love from the band.

I would expect their live performance to be lively and energetic, and the Los Angeles band is playing at Boston Calling — for the uninitiated, Boston Calling is a three-day music festival that occurs during the fall and spring in downtown Boston — which is running Friday, Sept. 25 through Sunday, Sept. 27.

WEATHER

Semester kicks off with heat wave

By Vince Agard  
STAFF METEOROLOGIST

The “fall” semester has officially begun at the Institute, but the weather has remained decidedly summer-like. Unusually hot weather has gripped the Boston area this week, as the last three days have been the top three warmest days of the year to date. In fact, Tuesday’s high temperature of 96°F (36°C) and Wednesday’s high of 93°F (34°C) were each all-time records for their respective days.

Drastic relief from the warm weather will arrive today, however, as an approaching cold front will bring a much cooler air mass, as well as showers and thunderstorms to the area. A pair of successive low

pressure systems will develop to our south and move offshore, extending the possibility of rain into Friday, Saturday, and Sunday.

By certain metrics, summer should have ended by now. In popular American culture, the traditional end of summer is marked by Labor Day, which was observed this past Monday. Moreover, in the mid-latitude Northern Hemisphere, the meteorological summer is defined as the months of June, July, and August, with Sept. 1 marking the start of meteorological autumn. Although September heat waves are relatively rare in Boston, this isn’t the hottest it’s ever been: a temperature of 102°F (39°C) was recorded on September 7, 1881.

Extended Forecast

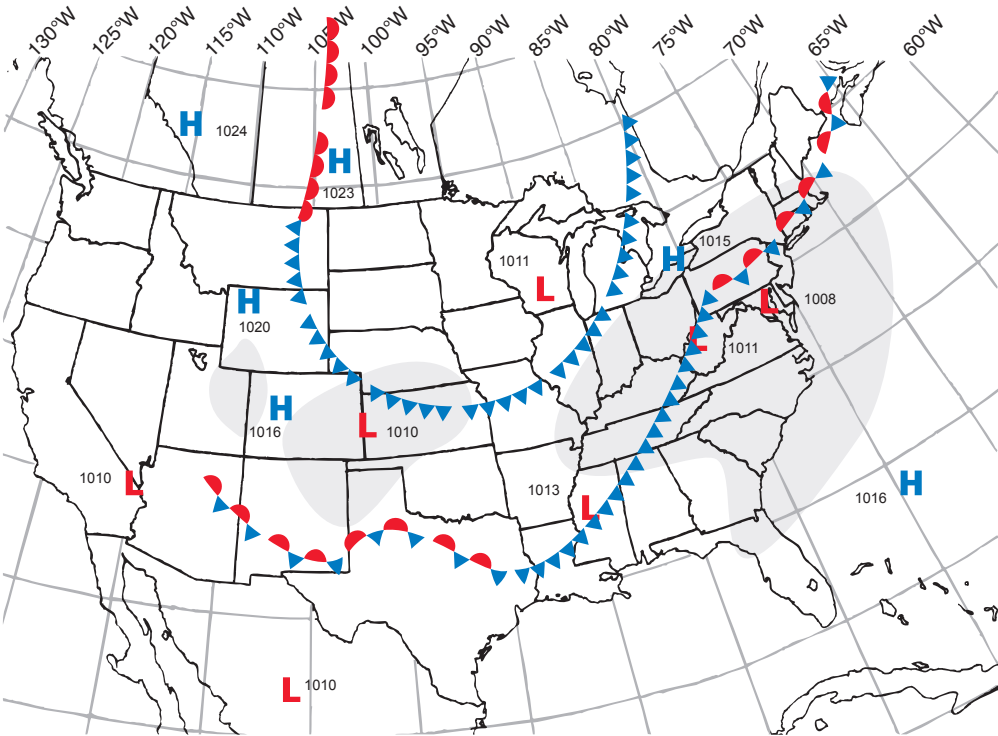
**Today:** Showers and thunderstorms possible. High 79°F (26°C), becoming cooler in the afternoon. Winds E at 10-15 mph.

**Tonight:** Showers and thunderstorms possible, low 64°F (18°C). Wind N at 5-10 mph.

**Tomorrow:** Showers possible, high 74°F (23°C). Winds N at 10-15 mph.

**Saturday:** A slight chance of showers, highs around 80°F (27°C).

**Sunday:** Showers possible, highs in the mid-70s °F (23°C).



Situation for Noon Eastern Time, Thursday, September 10, 2015

Weather Systems	Weather Fronts	Precipitation Symbols		Other Symbols
<b>H</b> High Pressure	--- Trough	Snow	Rain	☁ Fog
<b>L</b> Low Pressure	⬆ Warm Front	Showers	☂	⚡ Thunderstorm
☄ Hurricane	⬆ Cold Front	Light	*	∞ Haze
	⬆ Stationary Front	Moderate	**	Compiled by MIT Meteorology Staff and The Tech
		Heavy	***	

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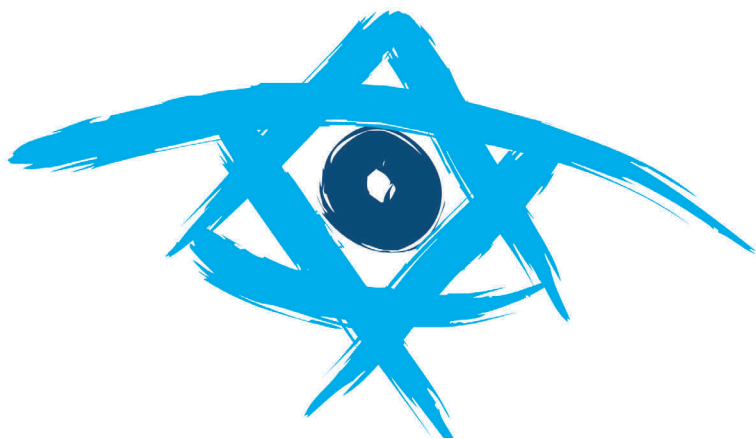
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# A guide to groceries at MIT

Or, how to not starve

By Elaine Lin

Buying your own groceries can be intimidating. I’ve been buying groceries for the past year, so I decided to put together a guide to groceries near MIT.

### General advice for grocery shopping

**Bring an empty backpack.** It’s much easier to carry groceries on your back than in your arms. For instance, I’ve fit up to 30 pounds of groceries in my backpack. When loading groceries into your backpack, make sure to put more durable items in first and to put more fragile items on top. When I’m not careful about this step, I always end up squishing all of the bananas, and it’s very sad.

**Make a grocery list.** Before buying more groceries, you should know what foods you already have. Disregarding this step explains why my hall has two containers of nutmeg, three boxes of baking soda, and four types of curry powder. Then, you should plan out what to buy so that you can save time and money in the grocery store. I usually write my grocery list on paper.

	Per Unit	Per Pound
Apples	0.75	1.25
Bananas	0.25	0.75
Blueberries		2.00
Cantaloupes	3.00	0.50
Grapes	3.00	
Lemons	0.50	2.00
Limes	0.25	0.50
Oranges	0.75	1.00
Pears	0.75	1.50
Pineapples	3.00	0.75
Strawberries		3.00
Dragonfruit		2.00
Lychee	3.50	

This table lists references for food prices according to the author’s own experience.

**Know how much food costs.** Items marked on sale are not necessarily great deals. If you buy groceries enough, you will get a sense of how much things cost. In general, to see how expensive an unfamiliar grocery store is, check how much they charge for a few benchmark items, such as bananas, eggs, and milk. To learn how to cook on a budget, I recommend the food blog Budget Bytes.

### Buying groceries on campus

**La Verde’s, Campus Convenience** — Generic college convenience stores. You should not do your primary grocery shopping at these locations because of the significantly higher prices. Good for a last-minute gift or a quick ice cream fix.

**Stata Market** — Produce stand. Located in the Gates Lobby of the Stata Center, the market is open Tuesdays from 10 a.m. to 4 p.m. Cash only, but there are ATMs in the Stata Center. Also sells pita bread! I buy most of my produce here. Since I live in East Campus, I have enough time in between classes to buy groceries and go back to the dorm. If you live on west campus, you can take the Tech Shuttle.

### Buying groceries off campus

**Trader Joe’s** — Specialty grocery. I love Trader Joe’s because it has a huge variety of snacks. However, shopping here can get expensive if you’re not carefully tracking your spending. Best prices for frozen vegetables, fancy-pants foods, such as cheese and macarons, and some pantry staples, such as olive oil and a pound of chocolate.

There are two locations near campus. The Trader Joe’s on Memorial Drive is closer to west campus - it’s a 1-mile walk from Next House. You can also get there by the Trader Joe’s - Whole Foods shuttle. If you plan on using a car service, going to this location would probably be cheaper because it is located on the main road. The Trader Joe’s on Boylston Street is closer to east campus - it’s a 1-mile walk across the bridge. I stop by here whenever I’m in

Boston.

**Whole Foods** — Way too expensive grocery. I don’t shop here because it’s far away from campus and too expensive. I went here once to get some freshly baked bread. There are bulk bins for grains, but the prices are cheaper at the Harvest Co-op.

**Star Market (Shaw’s)** — Standard grocery. Best prices for meat. I buy meat from the discount meat section and freeze it for later. The store is rather hidden, and you have to go up an escalator. Very close to Random Hall and Toscanini’s.

**H Mart** — Asian grocery. Reasonable prices for produce. Good for Asian snacks or groceries. I buy napa cabbage, miso, tofu, seaweed, and dumpling skins here.

**Harvest Co-op** — Standard grocery. Reasonable prices for produce. I really like their bulk bins for grains and spices. You should buy spices in bulk because it’s cheaper than buying containers of spices and you can buy small amounts of spices for recipes. Spices cost a lot per pound, but you only use a small amount when you cook.

### Transportation

**Walking** — The grocery stores listed are all within walking distance of campus. I always bring a backpack so I can carry my groceries back to campus. If the groceries are too heavy, seek alternative transportation.

**Biking** — You can carry groceries in your backpack, in a basket, or on the handlebars when riding a bike. However, you may not be able to carry as many groceries.

**Subway** — From the Kendall/MIT subway station, you can take the Red Line to Central if you want to go to H Mart or the Harvest Co-op. The other grocery stores are not easily accessible by subway.

**Campus Shuttles** — MIT has free grocery shuttles on the weekends. You might be able to catch the EZRide to the Trader Joe’s in Boylston or the Saferide to Star Market. I generally avoid the shuttles be-

cause the scheduled times tend to be inaccurate. I sometimes take the grocery shuttle when going back to campus so I don’t have to walk with groceries.

**Ride Services** — Ride services, such as Uber, Lyft, and Sidecar, cost more than the other modes of transportation, but you can split the cost if you’re going with friends.

**Online** — You can order groceries online using Instacart. However, you should be careful because Instacart marks up some of the prices.

I used Instacart a lot in the winter when it was too cold to go outside. I like to get bulk eggs, yogurt, and oatmeal from Costco, and I usually order with my friends to use up the bulk items.

*A version of this article was originally published at foodparsed.com. Elaine Lin is a member of the Class of 2018.*



JESSIE WANG—THE TECH

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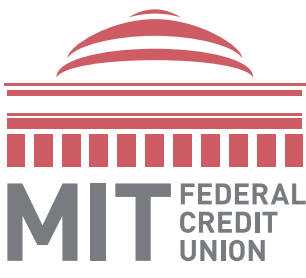
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**ch's MLB Ch**

By *The Tech Sports staff*

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**Solution to Sky Songs**  
*from page 6*

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ROSS	TYPE	ERODE

Toyota invests \$50 million for car AI research at MIT, Stanford

To advance computer-assisted driving technology, Toyota is committing \$50 million toward research at MIT and Stanford, the company announced last Friday.

The technology could save lives by averting accidents when drivers doze off, for example, researchers suggested.

Toyota executives told media that they believe self-driving cars are still years away, though other automakers and tech companies have already been working to completely obviate the need for human drivers.

The new collaboration will instead pursue technology that can prevent collisions or assist drivers in tricky traffic using computer vision and smart planning, researchers said.

“What if cars could become our trusted partners?” MIT professor Daniela Rus asked, according to the Associated Press. Rus will lead the Toyota-CSAIL Joint Research Center.

—Leon Lin

Solution to Tantalizing Torturous Tempestuous Techdoku

from page 6

7	6	3	2	1	4	9	5	8
2	1	7	6	5	8	4	9	3
1	9	6	5	4	7	3	8	2
6	5	2	1	9	3	8	4	7
4	3	9	8	7	1	6	2	5
8	7	4	3	2	5	1	6	9
9	8	5	4	3	6	2	7	1
3	2	8	7	6	9	5	1	4
5	4	1	9	8	2	7	3	6

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All in Room 5-134



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MIT President L. Rafael Reif and Congressman Joe Kennedy III hosted a discussion on STEM education for K-16 students on Thursday, Sept. 3.

ROBERT RUSCH—THE TECH

# Epsilon Theta Fall Rush

## Co-Ed Independent Living Group

**Wednesday, September 9**  
Falling 4:45PM  
Breakfast for Dinner 5:15PM  
Board Games 7PM  
Mini Video Game Tournament 9PM  
Waffles 9PM

**Thursday, September 10**  
Childhood Construction Time 4:45PM  
Cyndi's Chicken 5:15PM  
Paint Paint Paint 7PM  
Rockband 9PM  
Play With Your Food 9PM

**Friday, September 11**  
Chess Variants 4:45PM  
Make Your Own Sushi 5:15PM  
Star\* 7PM  
Star\* (cont.) 9PM

**Saturday, September 12**  
Hot Dogs and Chips 12:15PM  
Magic the Gathering Draft 1:30PM  
Curry 5:15PM  
Powerpoint Karaoke 7PM  
Blanket Fort 9PM  
S'mores! 9PM

**Sunday, September 13**  
Corn Maze 11AM  
Cili! 5:15PM  
Not Lectures 7PM  
Resistance 9PM  
Mochi! 9PM

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# After Tidbit’s legal battles, MIT and BU will open law clinics

*Hackathon project turned startup was killed after New Jersey attorney general subpoenaed students*

**Law Clinics**, from Page 1

building E40. In addition, monthly educational seminars and Q-and-A sessions will allow for outreach to the community.

“We want people to see us as partners,” Brown said.

In cases where the clinics cannot provide assistance, they aim to connect students with external resources. This would include cases in which students were involved in a dispute with MIT itself.

“We would not handle that; we would view that as a conflict,” BU Law Dean Maureen A. O’Rourke said.

The Technology and Cyberlaw Clinic is expected to begin operations in fall 2016 and will focus on “the impact of laws related to topics such as communications, data security, and privacy on students’ innovation-driven academic and extracurricular activities,” according to an MIT press release.

The clinics may also provide

students with limited litigation assistance — either by representing the student directly, or by connecting the student with private counsel.

“By providing our students with the legal guidance to navigate the complexities of starting or running a business, the clinics will give them the freedom and confidence to focus on what they do best: creating innovative ideas, technologies, and companies,” Reif wrote in the campus-wide email.

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## Water polo, from Page 20

Both teams traded goals over until there was 2:31 remaining in the contest and the score was tied at 11-11. MIT used a late surge, scoring the games' final three points to claim the 14-11 victory. Rogers scored twice and Jeremy P. Bogle '18 potted the all-important insurance goal with just one tick remaining on the clock as the Engineers defeated Claremont-Mudd-Scripps, 14-11, for their first win of the young season in their second game of the Bruno Classic.

MIT kept the momentum with a 12-6 win in its 1:00 p.m. matchup with the Tigers of Occidental College. Rogers continued his excel-

With the score 7-4 heading into the final eight minutes of action, two more Engineers registered their first goals of the year with back-to-back markers with under 1:30 to play. Jeffrey Zhang and Joseph M. Kusters '16 scored at 1:08 and :38, respectively, that sealed the game and MIT's second win of the season, 12-6, taking two of its three games in the Bruno Classic.

MIT (2-1), heads home for a double-header next weekend. The Engineers will take on Connecticut College at 12:00 p.m. and Brown University, its first Northern Division matchup, at 8:30 p.m. in the Zesiger Sports and Fitness Center pool.

## Football, from Page 20

The two teams then traded a pair of TDs, with WPI getting a two-yard scoring run from Eric Razanousky before Callahan struck for his third scoring pass of the night, this one a 50-yarder to Karson L. Ota '16 with 1:14 left in the half. WPI came back before the half, however, taking

In the third quarter, Anthony M. Emberley '17 hit Eckler from behind, sacking him and forcing a fumble that junior Andrew Wrenn (Lake Oswego, Ore.) recovered at the MIT 45. Nine plays later Adis T. Ojeda '19 picked up his first career TD in an MIT uniform with an 11-yard scamper at the 7:43 mark, tying the game for a third time.

It stayed that way until five minutes into the fourth when Blaine Bursey connected from 26 yards out on a field goal to put WPI back on top. MIT came back and drove deep into WPI territory, but was turned away when WPI's Eric Lacroix intercepted Callahan. MIT had another chance late, getting the ball back with 1:01 to go on its own 28. Callahan led the Engineers down to

Callahan finished with 20-for-31 night for 245 yards and three scores in his first start at quarterback for MIT. Ota grabbed five of the passes for 102 yards, with Esparrago leading the team with seven catches, good for 69 yards. Ojeda gained 65 yards on the ground to lead the MIT rushing attack. For WPI, Zach Grasis led all rushers with 100 yards on 29 carries. Eckler hit 18 passes on 23 attempts for 197 yards, with Echer and Mitch Celaj each making six catches.

Tremaan A. Robbins '17 led MIT with nine tackles, with Emberley and Alexander S. Noakes '16 each recording a sack and Riley C. Quinn '19 getting an interception in his first collegiate outing. Brian Murtagh led WPI with 10 tackles.

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*MIT starts the season at Bruno Classic with 2 wins in 3 games*

*DAPER STAFF*

### Game 1: Stanford 29, MIT 9

The Engineers got on the board at the 7:02 mark of second quarter when Tasman fired a shot past

Claremont-Mudd-Scripps managed to knot the score at 9-9

Water polo, Page 18

A photograph of a field hockey game. In the foreground, a player in a white Simmons jersey with the number 12 is running with the ball. She is being defended by a player in a black MIT jersey with the number 12. Another MIT player is visible in the background.

LENNY MARTINEZ—THE TECH

**Amanda Lowery '18 dribbles the ball up the field** during last week's game against Simmons College. Although MIT lost 2-1, the field hockey team went on to win the next two games.


*After last year's phenomenal run, MIT opened up the season with a loss at the hands of WPI*

*DAPER STAFF*



WPI jumped out to an early lead in the first quarter when the Engineers halted MIT's first two drives of the night near midfield


Football, Page 18



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**Tues, Sept 15, 2015**  
4:30 PM - 6:00 PM  
34-101 | 50 Vassar St, Cambridge

## MIT repeats last year's start with 9-0 win over Emerson College

*DAPER STAFF*

MIT will continue in NEWMAC play next weekend when it plays at Wellesley College on Sept. 12 at 11:00 a.m. Emerson will play next on Sept. 10 when the Lions will travel to UMass Boston for a 3:00 p.m. match.

## Do you wish your sport was covered?

Hello, Athletes, look at the sports page, now back to you, now back to the sports page, now back to you. Sadly, your sport isn't there, but if you started writing for *The Tech*, it could be. Look down, back up, where are you? You're on the front page. Anything is possible when you write for *The Tech*.

**sports@tech.mit.edu**